

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/051213

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04R1/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R H04S H04M H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 680 295 A (TSAO YE MING) 12 February 1993 (1993-02-12) cited in the application	6,8
Y	page 1, line 15 - page 2, line 15 page 3, line 10 - line 27 page 4, line 17 - page 5, line 35 figures 1,5	7,9
A	DE 44 10 995 A1 (SOCIETE D'APPLICATIONS GENERALES D'ELECTRICITE ET DE MECANIQUE SAGEM,) 6 October 1994 (1994-10-06) column 1, line 1 - line 34 column 2, line 38 - column 3, line 6 figures 1-4	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 June 2005

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23/06/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 200 18 241 U1 (SCHMITT, FRANZ; CZECH, ANDREAS; KNAPP, FRIEDRICH; AHRENS, HANS-JOACHIM) 28 February 2002 (2002-02-28) page 2, line 16 - line 20 figures 1,2	1
Y	US 4 146 744 A (VERANTH ET AL) 27 March 1979 (1979-03-27) column 6, line 16 - line 36 figure 9	7
Y	US 4 885 782 A (EBERBACH ET AL) 5 December 1989 (1989-12-05) abstract	9

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Information on patent family members

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DE 4410995	A1	06-10-1994	FR 2703550 A1	07-10-1994
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US 4146744	A	27-03-1979	AU 512097 B2 AU 2787477 A CA 1079199 A1 DE 2739523 A1 DE 2760480 C2 FR 2363955 A1 GB 1589998 A IT 1083817 B JP 1412381 C JP 53030317 A JP 61007799 B NL 7709527 A SE 415624 B SE 7708202 A	25-09-1980 15-02-1979 10-06-1980 16-03-1978 09-07-1992 31-03-1978 28-05-1981 25-05-1985 27-11-1987 22-03-1978 08-03-1986 06-03-1978 13-10-1980 03-03-1978
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